




VIRGINIA TREES

for Virginia Landowners



Seedling Catalog 2013-2014



Virginia
DOF Nurseries

Growing Tomorrow's Woods



Virginia
Department of Forestry

Order On-Line

BuyVirginiaTrees.com



Why Are Virginia Trees Your Best Choice?

The Virginia Department of Forestry has been growing seedlings for Virginia landowners for 96 years. When you put your money in the ground in the form of seedlings, you need to start with the best stock available; stock suited for Virginia soils and climate. The cultural practices that we use in growing seedlings in our seedbeds are based on more than 40 years of research and experience in quality production.

In addition to the wide selection of bare-root seedlings, we also offer specialty seedling packs and seed mixtures suitable for various wildlife habitats, screening, use in wetland areas and for erosion control. Our seedlings are sold directly from the seedbed without replanting, and seedling age is indicated with 1-0, 2-0 and 3-0 (one-, two- and three-year-old).

This Seedling Price Catalog provides pricing for nearly 40 species of seedlings that have been grown at one of Virginia's two State Forestry Centers: the Augusta Forestry Center, near Waynesboro, and the Garland Gray Forestry Center near Littleton. For other conservation/reforestation projects, contact your area forester. All orders made from this catalog or on-line will be shipped from the Augusta Forestry Center via United Parcel Service delivery.

Cooperative Efforts

The Virginia State Nurseries are proud to be a member of The Cooperative Tree Improvement Program at North Carolina State University. The mission of the Cooperative is to economically increase forest productivity through the genetic manipulation of loblolly pine populations. Enhanced productivity through breeding, selecting and deploying superior loblolly pine families is a major goal of the Cooperative.

Benefits of Virginia Tree Improvement Research

- ✦ Due to the cooperative sharing of genetic material, all of the best families that are suitable for Virginia are in our program.
- ✦ Selections have continuously placed extra emphasis on properties desirable for solid wood products (straightness, crown characteristics).
- ✦ Some families from other provenances and cold hardiness zones either fail in Virginia or perform erratically.

Advantages of Our Genetically Improved Loblolly Pine

- ✦ Improved genetics for fast-growing, straight and disease-resistant seedlings.
- ✦ Increased growth and yield over unimproved seedlings: Loblolly Pine Second Generation Orchard Mix shows a 25% gain; Loblolly Pine Third Cycle shows a 30% gain; Loblolly Pine Premium shows a 35% gain; Loblolly Pine Elite shows a 45% gain; Loblolly Pine Controlled Pollinated (CP) shows a 55% gain, and Loblolly Pine Virginia's Best shows a 62% gain.
- ✦ Increased profits from improved growth.
- ✦ Our seedlings go completely dormant for shipping, and fully dormant seedlings withstand shipment and planting significantly better than non-dormant seedlings.
- ✦ We top clip our seedlings, which controls the shoot/root ratio contributing to excellent survival rates.
- ✦ Limited supply due to scarcity of seed.

Cost-Share Programs Available for Forest Landowners

Reforestation of Timberlands Program (RT)

The Virginia legislature authorized the Reforestation of Timberlands Program (RT) in 1970 as a financial incentive for private landowners to plant pine seedlings in response to over-harvesting of pine timber. Funds for the program come from two sources: forest industry and the Commonwealth. The industry pays into the fund through a self-imposed severance tax when timber is harvested. This money is matched with General Revenue funds. The Virginia Department of Forestry's field offices located throughout the state administer the program.

Landowners approved for RT incentive payments carry out reforestation activities, ensuring well-stocked, fast-growing pine plantations. Program benefits include:

- ✦ Up to 100 acres of cost-share assistance, or as little as one acre per planting project.
- ✦ The VDOF offers genetically improved pine seedlings, which tests reveal are producing 25 percent to 62 percent greater volume growth than wild trees, with compact crowns and stem quality for excellent sawtimber production. Growth varies depending on site conditions and management.
- ✦ Continuing commitment of the VDOF field forestry staff to help landowners protect and manage the plantation to meet their objectives.
- ✦ VDOF assistance in helping landowners find contractors for site preparation, planting, herbicide applications, thinning and wildlife habitat enhancement.

Farm Bill Programs

The 2008 Farm Bill includes a number of cost-share and assistance programs for forest landowners to help them improve the soil and water quality on their land through improving forest health, sustainability and by providing multiple environmental benefits through the long-term growth of their forest. These Farm Bill programs are available in Virginia through a cooperative effort of the USDA Natural Resources Conservation Service (NRCS) and Virginia Department of Forestry (VDOF). Several of the primary programs are summarized below.

Environmental Quality Incentives Program (EQIP)

This program provides technical assistance and cost-share to eligible landowners for forestry practices, such as site preparation and planting of hardwood and pine trees; fencing to keep livestock out of the forest; forest road stabilization; timber stand improvement (TSI), and invasive species control. Priority is given to projects with multiple management practices to be completed over a number of years.

Wildlife Habitat Improvement Program (WHIP)

This program provides technical assistance and cost-share to eligible landowners who install wildlife habitat improvement practices on their land. These practices may include tree and shrub planting, prescribed burning, invasive species control, creation of forest openings, riparian buffer establishment and fencing livestock from the forest.

Wetlands Reserve Program (WRP)

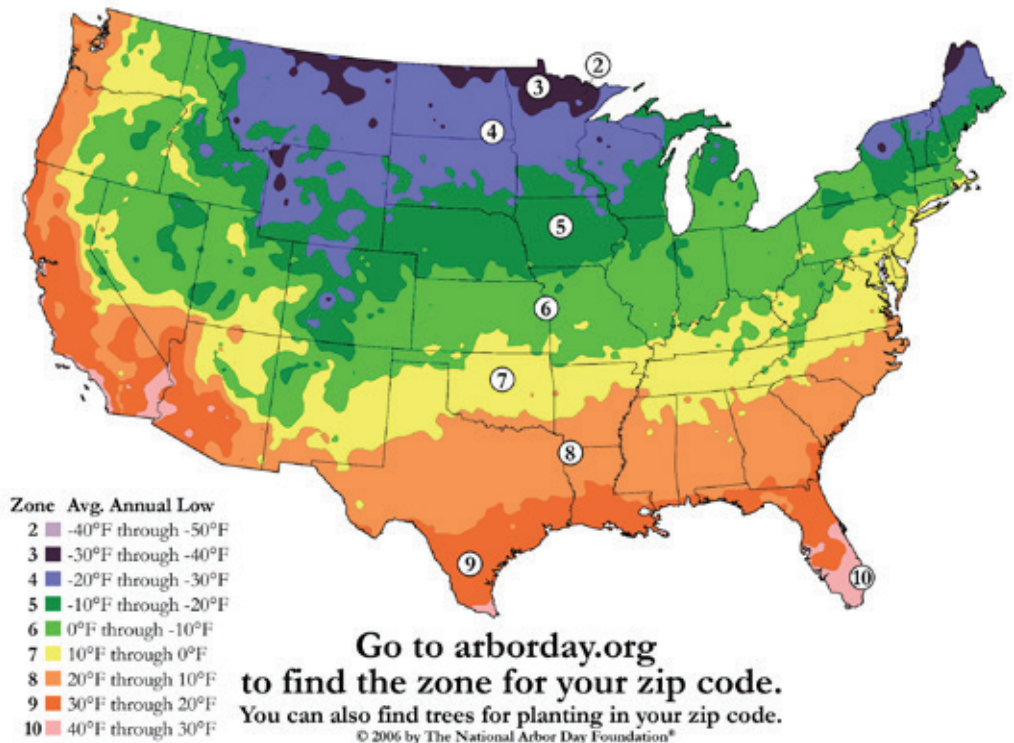
This program provides technical and financial assistance to eligible landowners who restore, enhance and protect wetlands on their property. Landowners are paid for temporary or permanent easements to protect the wetlands.

Are You Eligible For Assistance?

Check with your local VDOF forester or your local United States Department of Agriculture (USDA) Service Center to learn about programs that may be available to assist you in managing and conserving your forest resources.



2006 arborday.org Hardiness Zones Map



Virginia State Tree Nurseries

Augusta Forestry Center

The center is located in Augusta County on 178 acres adjacent to the South River. Nearly 40 species of Virginia hardwoods and softwoods are grown in seedbeds covering 100 acres. This center handles the Department's delivery program, which offers tree seedlings, conservation specialty packs and conservation seed mixtures.

90 Forestry Center Lane
P.O. Box 160
Crimora, VA 24431-0160
Phone: (540) 363-5732
Fax: (540) 363-5055
Email: julia.fitzgerald@dof.virginia.gov
Nursery Forester: Joshua McLaughlin [joshua.mclaughlin@dof.virginia.gov]

Garland Gray Forestry Center

The center is located next to the Nottoway River, which provides irrigation for 80 acres of loblolly pine seed beds. The sandy soils at this nursery are ideal for pine seedling production. A 213-acre tree seedling nursery was established within the boundaries of the Garland Gray Forestry Center in 1984. Garland Gray Forestry Center has state-of-the-art harvesting equipment and a first-class grading, packaging and cold storage facility for preparing the loblolly tree seedlings for shipment.

Garland Gray Forestry Center
19127 Sandy Hill Road
Courtland, VA 23837
Phone: (804) 834-2855
Fax: (804) 834-3141
Nursery Forester: Justin Funk [justin.funk@dof.virginia.gov]

Hours of Operation

Monday through Friday
8 a.m. – 4:30 p.m.

Find a Species by Type or Purpose...

Conifer Species

Christmas Tree

Production

Pine, Eastern White
Pine, Scotch
Spruce, Norway

Timber Production

Pine, Eastern White
Pine, Loblolly (All)
Pine, Longleaf
Pine, Shortleaf
Pine, Virginia

Windbreak

Cedar, Eastern Red
Pine, Eastern White
Pine, Scotch
Spruce, Norway

Hardwood Species

Oak

Oak, Black
Oak, Chestnut Oak
Oak, Northern Red
Oak, Overcup
Oak, Pin
Oak, Sawtooth
Oak, Sawtooth 'Gobbler'
Oak, White
Oak, Willow

Persimmon

Plum, Wild
Serviceberry, Alleghany

Nut-Bearing

Chestnut, Chinese
Chinkapin, Alleghany
Hazelnut
Oak, Black
Oak, Chestnut Oak
Oak, Northern Red
Oak, Overcup
Oak, Pin
Oak, Sawtooth
Oak, Sawtooth 'Gobbler'
Oak, White
Oak, Willow
Walnut, Black

Oak, Overcup

Oak, Pin
Oak, Willow
Sycamore

Vibrant Color

Crape Myrtle
Dogwood, Kousa
Dogwood, White
Maple, Red
Maple, Sugar
Oak, Pin
Redbud

Dogwood

Dogwood, Gray
Dogwood, Kousa
Dogwood, Red Osier
Dogwood, Silky
Dogwood, White

Riparian Species

Birch, River
Buttonbush, Common
Cypress, Bald
Dogwood, Red Osier
Dogwood, Silky

Timber Production

Oak, Northern Red
Oak, White
Poplar, Yellow
Walnut, Black

Fruit-Bearing

Apple, Common
Cherry, Black
Elderberry, American
Hawthorne, Washington
Mulberry, Red
Pear, Common 'Bartlett'

Other Hardwoods

Indigobush
Lespedeza
Locust, Black
Locust, Bristly

Shrub Species

Fruit-Bearing

Elderberry, American
Indigobush
Plum, Wild
Serviceberry, Alleghany

Nut-Bearing

Chinkapin, Alleghany
Hazelnut

Other Shrubs

Buttonbush, Common

Dogwood, Gray
Dogwood, Red Osier
Dogwood, Silky
Indigobush
Locust, Bristly

Wildlife Species

Deer

Apple, Common
Chestnut, Chinese
Chinkapin, Alleghany
Hazelnut
Oak, Black
Oak, Northern Red
Oak, Overcup
Oak, Sawtooth
Oak, White
Pear, Common 'Bartlett'
Persimmon

Quail

Hazelnut
Indigobush
Lespedeza

Turkey

Cherry, Black
Dogwood, Gray
Dogwood, White
Elderberry, American
Mulberry, Red
Oak, Pin
Oak, Sawtooth 'Gobbler'
Oak, Willow
Pine, Eastern White
Serviceberry, Alleghany

Bees

Crape Myrtle
Locust, Black
Locust, Bristly
Poplar, Yellow

Songbirds

Cedar, Eastern Red
Cherry, Black
Chinkapin, Alleghany
Dogwood, Gray
Hawthorne, Washington
Hazelnut
Plum, Wild
Redbud
Serviceberry, Alleghany





Contents

Apple, Common 1-0.....	7
Birch, River 1-0.....	7
Buttonbush, Common 1-0	8
Cedar, Eastern Red 1-0	8
Cherry, Black 1-0.....	8
Chestnut, Chinese 1-0.....	9
Chinkapin, Allegheny 1-0	9
Crape Myrtle 1-0	10
Cypress, Bald 1-0.....	10
Dogwood, Gray 1-0.....	10
Dogwood, Kousa 1-0	11
Dogwood, Red Osier 1-0.....	11
Dogwood, Silky 1-0.....	12
Dogwood, White 1-0	12
Elderberry, American 1-0.....	13
Hawthorne, Washington 1-0.....	13
Hazelnut 1-0.....	14
Indigobush 1-0.....	14
Lespedeza, Bicolor 1-0.....	15
Locust, Black 1-0	16
Locust, Bristly 1-0.....	16
Maple, Red 1-0.....	17
Maple, Sugar 1-0	17
Mulberry, Red 1-0	18
Oak, Black 1-0.....	18
Oak, Chestnut 1-0	18
Oak, Northern Red 1-0.....	19
Oak, Overcup 1-0	19
Oak, Pin 1-0	20
Oak, Sawtooth 1-0.....	20
Oak, Sawtooth 'Gobbler' 1-0.....	21
Oak, White 1-0.....	21
Oak, Willow 1-0.....	21
Pear, Common 'Bartlett' 1-0.....	22
Persimmon 1-0	22
Pine, Eastern White 2-0.....	23
Pine, Loblolly 2nd Gen. Or. Mix 1-0..	24
Pine, Loblolly 3rd Cycle Or. Mix 1-0.	24
Pine, Loblolly Premium 1-0	25
Pine, Loblolly Elite 1-0.....	25
Pine, Loblolly Control Poll. (CP) 1-0.	25
Pine, Loblolly Virginia's Best 1-0.....	26
Pine, Longleaf 1-0.....	26
Pine, Scotch 2-0	26
Pine, Shortleaf 1-0	27
Pine, Virginia 1-0.....	27
Plum, Wild 1-0.....	27
Poplar, Yellow 1-0.....	28
Redbud 1-0	28
Serviceberry, Alleghany 1-0	29
Spruce, Norway 2-0.....	30
Spruce, Norway 3-0.....	31
Sycamore 1-0.....	31
Walnut, Black 1-0 ♦	31
Fall Color Seedling Pack.....	32
Five-By-Five Select Pack.....	32
Wildlife Seedling Packs.....	32
Wildflower Garden Seed Bag.....	32
Wildlife Garden Seed Bag	32
Rye Straw	32

Key to Symbols

- ☀ - Full Sun
- ◐ - Sun/Part-Shade
- - Shade Tolerant
- △ - Christmas Tree Species

**FOR QUESTIONS
OR TO ORDER SEEDLINGS, CONTACT:**

**Augusta Forestry Center
(540) 363-7000
P.O. Box 160, Crimora, VA 24431**

**ORDER ON-LINE AT
BuyVirginiaTrees.com**

To Place an Order

- ♦ Orders are accepted from September to mid-April.
- ♦ Order on-line at BuyVirginiaTrees.com; by mail using the included Form 30C Tree Seedling Catalog Order or by phone at (540) 363-7000.
- ♦ Payment in full is required at time of order.

Shipping





- ♦ Seedlings are available for pick-up or delivery from January to mid-April depending on weather conditions.
- ♦ Pick-up is available at the Augusta Forestry Center free-of-charge.
- ♦ Shipping charge is 30 percent of the order total with a minimum shipping charge of \$15.
- ♦ Specify a desired shipment date when placing order.
- ♦ All UPS orders are shipped from the Augusta Forestry Center on Mondays, Tuesdays and Wednesdays.




Sales Tax





- ♦ Virginia sales tax is 5.3% of the order subtotal.




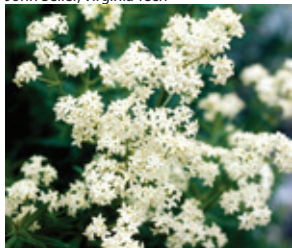

Tax Exempt






- ♦ Tax-exempt orders CANNOT be made on-line through the web store. For tax-exempt orders, mail a completed Form 30C Tree Seedling Catalog Order with a completed sales tax exemption form to the Augusta Forestry Center with payment. Sales tax exemption form must be completed in full, including tax exempt number. Blank sales tax exemption forms can be found at tax.virginia.gov.






Species <i>(Scientific Name)</i>	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
<div></div> <div>Justin Funk, VDOF</div>	★	★			14 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	—
<div><div>Apple, Common 1-0 <i>(Malus pumila)</i></div><div>Zone 4-7 ☀️</div><div>Common apple is a small tree that can reach 25 feet in height with a crown spread of 25 feet. It grows in well-drained, moist soils. Showy, white, five-petaled blossoms, often tinged with pink, are found on the tree in late spring. The flowers are pollinated by bees and other insects. The fruits mature through the summer and become ripe and ready to eat in the fall. Ripe apples range in color from green to yellow to red or a mixture of these colors, and are eaten by a variety of birds and mammals. The wood is desirable for smokehouse kindling, and is excellent quality firewood.</div></div>												
<div></div> <div>Justin Funk, VDOF</div> <div></div> <div>Courtesy of Smithsonian Institution</div> <div></div> <div>Gregg O'Donnell, VDOF</div>		★		★	18 - 22 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div><div>Birch, River 1-0 <i>(Betula nigra)</i></div><div>Zone 3-9 ☀️🌑</div><div>River birch reaches a mature size of 70 to 80 feet in height and 1 to 3 feet in diameter. Seldom harvested, it has been used in the manufacturing of inexpensive furniture, toys, basket hoops and turned articles. It is commonly planted for stream bank restoration and other erosion control situations. It is also an attractive ornamental tree. It is the only birch native to the Coastal Plain in the southeastern United States. Its habitat includes deep, rich soils on stream banks, pond and swamp edges.</div></div>												

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Buttonbush, Common 1-0 (<i>Cephalanthus occidentalis</i>)</p> <p>Zone 5-10 ☀️🌙</p> <p>Common buttonbush reaches a mature size of 15 to 20 feet in height and 6 inches in diameter. This deciduous tree with an upright, multiple-branching shrub form has a fast growth rate. Buttonbush prefers clay, loamy moist but well-drained soils. White tubular flowers appear mid-summer and round clusters of nutlets mature in late summer to fall. The seed is eaten by waterfowl and browsed on by mammals.</p> <p>John Seiler, Virginia Tech</p>	★	★			14 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
 <p>Cedar, Eastern Red 1-0 (<i>Juniperus virginiana</i>)</p> <p>Zone 2-8 and ☀️🌙🌲</p> <p>Eastern red cedar is a slow growing conifer that can reach 65 feet in height and 1 to 2½ feet in diameter. It grows well in all soils especially poor soils, where the tree can be a big bush. The needles are sharp and 2 to 4 inches long. Pollination occurs in the late winter to early spring. The seed is a berry like that looks blue to the eye. The seed is very important food source for birds in the winter. The trees are dioecious, meaning male and female trees are separate and they need each other for pollination.</p> <p>Josh McLaughlin, VDOF</p>	★		★	★	2 - 5 in.	\$20	\$45	\$50	\$65	\$80	\$100	\$150
 <p>Cherry, Black 1-0 (<i>Prunus serotina</i>)</p> <p>Zone 3-9 and ☀️🌙</p> <p>Black cherry is a fast-growing tree, reaching heights of 60 to 100 feet and one to four feet in diameter. This deciduous tree prefers clay, loamy, occasionally wet, well-drained soils. White, very showy flowers appear in early- to mid-spring, emitting a pleasant fragrance. The fruit becomes dark purple to almost black when ripe, maturing in summer. Black cherry is a valuable species; the wood is reddish brown, heavy, hard, strong and fine-grained and often used for furniture and interior finish. The fruit is an important food source for many birds and other wildlife, and is often used in jelly and wine.</p> <p>John Seiler, Virginia Tech</p>	★		★		18 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price							
						10	25	50	100	250	500	1000	
<div></div> <div>Justin Funk, VDOF</div> <div></div> <div>Justin Funk, VDOF</div>	<div>Crape Myrtle 1-0 (<i>Lagerstroemia spp</i>)</div> <div>Zone 6-11 ☀️🌑</div> <div>Crape Myrtle is a small to medium multiple trunk tree. It typically only reaches heights of 10 to 20 feet tall. This highly utilized landscape species is great for beautification. The flowers (mostly red to pink to white) bloom in the summer and persist for a long time. The blooms attractive bees and butterflies. The leaves provide a beautiful autumn color.</div>					18 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>Sonya Milstead</div>	<div>Cypress, Bald 1-0 (<i>Taxodium distichum</i>)</div> <div>Zone 4-11 ☀️🌑</div> <div>Bald cypress reaches a mature size of 90 to 120 feet in height and 3 to 6 feet in diameter. A bald cypress may live more than 1,000 years and is one of the few deciduous conifers. It is used for exterior trim on buildings, green house planking, boat building, shingles, posts, poles and cross-ties. Cypress swamps provide important habitat for many wetland wildlife species. Cypress stands reduce flooding along rivers by slowing and absorbing water. Its habitat includes wet stream banks, wet bottomlands, swamps and other areas that usually flood for long periods of time.</div>	★	★	★	★	18 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>John Seiler, Virginia Tech</div>	<div>Dogwood, Gray 1-0 (<i>Cornus racemosa</i>)</div> <div>Zone 3-8 ☀️🌑</div> <div>Gray dogwood is a small slow growing shrub that can reach height of 6 feet. It has small white blooms set in clusters that mature in early summer. The small white fruit develops in late summer to early fall which provides food to small animals and birds. It grows as a dense hedge that provides great cover for wildlife. This tree is very adaptable to many climatic conditions.</div>	★				16 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
<div></div> <div>Richard A. Howard Collection, Courtesy of Smithsonian Institution</div> <div></div> <div>Jeff McMillan, USDA-NRCS PLANTS Database</div>	★				6 - 12 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>John Seiler, Virginia Tech</div> <div></div> <div>G. A. Cooper, Courtesy of Smithsonian Institution</div> <div></div> <div>G. A. Cooper, Courtesy of Smithsonian Institute</div>	★	★			16 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
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<div></div> <div>John Seiler, Virginia Tech</div> <div></div> <div>John Seiler, Virginia Tech</div> <div></div> <div>John Seiler, Virginia Tech</div>	★				16 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>Courtesy of Smithsonian Institution</div> <div></div> <div>Robert H. Mohlenbrock, USDA-NRCS PLANTS Database / USDA SCS. 1991. Southern wetland flora: Field office guide to plant species. South National Technical Center, Fort Worth.</div>	★	★			16 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Hazelnut 1-0 (<i>Corylus Americana</i>)</p> <p>Zone 4-9 ☀️🌙</p> <p>Hazelnut is a small shrub, often in clumps reaching 8 to 15 feet in height with an 8- to 12-foot spread. It makes a nice surprise in the shrub border since it goes unnoticed forming a green mass most of the year. It can also be planted along the foundation of a commercial building to soften the corners. It is important to provide moisture until the plant is established. Once established, it will survive and grow with little or no irrigation provided it is located in a moist area. It is as near to maintenance free as any plant. Hazelnut produces excellent nuts, which are prized by deer, turkey and other wildlife.</p>  					18 - 22 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315
 <p>Indigobush 1-0 (<i>Amorpha fruticosa</i>)</p> <p>Zone 4-9 ☀️🌙</p> <p>Indigobush is a small shrub that can reach height of 3 to 10 feet tall. They have a fast growth rate and can grow in any well drained soil. Has a purplish blue bloom in the early spring. The flower attracts bees and native pollinators. The fruit is a small and short legume that is desired game birds, song birds and small mammals. Indigobush can be used as a windbreak or an ornamental.</p> 	★	★			16 - 22 in.	\$20	\$45	\$60	\$65	\$75	\$95	\$125




Sonya Milstead






Justin Funk, VDOF

Sonya Milstead





Sonya Milstead




Robert H. Mohlenbrock, USDA-NRCS
PLANTS Database / USDA SCS. 1989.
Midwest wetland flora: Field office
illustrated guide to plant species. Midwest
National Technical Center, Lincoln.




Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Locust, Black 1-0 (<i>Robinia pseudoacacia</i>)</p> <p>Zone 4-8 ☀️🌙</p> <p>Black locust reaches a mature size of 30 to 70 feet in height and 1 to 2 feet in diameter. It grows on a variety of sites, including disturbed areas, but grows best on moist loams of limestone origin. The wood is used extensively for fence posts, poles, mine timbers, split rails and decking, as well as for pulpwood and fuel. Sprouts and seedlings are important food for cottontail rabbits and deer. The flowers are an important nectar source for honey production. Black locust is a nitrogen fixer and is good for reclaiming mine sites and other disturbed lands.</p>  <p>Ellen Powell, VDOF Courtesy of Smithsonian Institution</p>	★	★	★		12 - 16 in.	\$20	\$45	\$60	\$65	\$75	\$95	\$125
 <p>Locust, Bristly 1-0 (<i>Robinia hispida</i>)</p> <p>Zone 6-11 ☀️</p> <p>(can grow in Zones 3-5 but cold weather inhibits growth)</p> <p>Bristly Locust is a shrub that can reach heights of 8 to 12 feet. They grow well on soils with good drainage. Bristly Locust is a one of the best erosion control shrubs; especially for steep sites. This plant is a nitrogen fixation plant which will help poor soils. The attractive pink flowers, which bloom in late spring to early summer, attract bees and butterflies.</p> <p>John Seiler, Virginia Tech</p>	★	★	★		14 - 20 in.	\$20	\$45	\$60	\$65	\$75	\$95	\$125



Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
<div></div> <div>Janet Muncy, VDOF</div> <div></div> <div>Janet Muncy, VDOF</div> <div></div> <div>Janet Muncy, VDOF</div> <div><h3>Maple, Red 1-0</h3><p>(<i>Acer rubrum</i>)</p><p>Zone 3-9 ☀️🌑</p><p>Red maple reaches a mature size of up to 90 feet in height and 2 ½ feet in diameter. It grows on a variety of sites, from dry ridges to swamps. The light cream-colored wood is used for furniture, turnery, woodenware and paper pulp. Red maple can be tapped for syrup-making. The fruit and buds are a primary food source for gray squirrels in late winter and early spring. Birds and mice eat the seeds, and deer browse the young sprouts. Red maple is a popular shade and ornamental tree, with brilliant fall color.</p></div> <td>★</td> <td>★</td> <td>★</td> <td></td> <td>6 - 16 in.</td> <td>\$20</td> <td>\$45</td> <td>\$75</td> <td>\$115</td> <td>\$150</td> <td>\$220</td> <td>\$290</td>	★	★	★		6 - 16 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>Justin Funk, VDOF</div> <div></div> <div>Justin Funk, VDOF</div> <div><h3>Maple, Sugar 1-0</h3><p>(<i>Acer saccharum</i>)</p><p>Zone 3-8 ☀️🌑</p><p>Sugar maple reaches a mature size of 70 to 100 feet in height and 2 to 3 feet in diameter. It is a fairly large tree with dense, oval crown, and grows in clay, loam and sand. The pale brown- or pink-colored wood is hard, heavy, strong and close-grained, and used for flooring, furniture, veneer and novelties. The trees are tapped for their sweet syrup. Birds and small mammals eat the seeds; rabbits, deer and squirrels browse the twigs; and sapsuckers ring the tree with holes and return to feed on the sap and insects it attracts. Sugar maple is a popular shade and ornamental tree, with brilliant fall color.</p></div> <td>★</td> <td></td> <td>★</td> <td>★</td> <td>2 - 5 in.</td> <td>\$20</td> <td>\$45</td> <td>\$75</td> <td>\$115</td> <td>\$175</td> <td>\$230</td> <td>\$315</td>	★		★	★	2 - 5 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315


Courtesy of USDA-NRCS

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price							
						10	25	50	100	250	500	1000	
<div></div> <div>Josh McLaughlin, VDOF</div>	<div>Oak, Sawtooth ‘Gobbler’ 1-0 (<i>Quercus acutissima</i> ‘Gobbler’) Zone 5-9 ☀</div> <div>Sawtooth ‘Gobbler’ oak is an attractive, large, deciduous tree, 50 feet in height or taller with a rounded, broad, pyramidal shape. New spring leaves are an attractive bright yellow-green and fall color varies from dull yellow to brown. It is avigorous-growing tree that produces acorns at age 15 or slightly before. The acorns of saw tooth ‘Gobbler’ oak are smaller than the regular Sawtooth Oak (1/2-inch long) and are produced in large quantities in the fall. They are quite popular with wildlife. Sawtooth oak prefers a well-drained, acid soil but will adapt to most soils except highly alkaline. Trees grow best in well-drained soil in the full sun. Irrigation helps trees become established, but once established they grow very fast without irrigation.</div>	★				16 - 20 in.	\$20	\$45	\$75	\$135	\$200	\$275	—
<div></div> <div>J. S. Peterson, Courtesy of Smithsonian Institution</div>	<div>Oak, White 1-0 (<i>Quercus alba</i>) Zone 3-9 ☀</div> <div>White oak reaches a mature size of 80 to 100 feet in height and 3 to 4 feet in diameter. The white oak can grow on a wide variety of upland sites, but attains best growth on deep, well-drained loamy soils. The wood is used for lumber, barrels, furniture, tools, interior finish, flooring and fuel. The acorns are sweet and a preferred food of deer, bear, turkeys, squirrels and other wildlife. White oak makes an impressive ornamental tree for large landscapes.</div>	★	★	★		6 - 16 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315
<div></div> <div>Sonya Milstead</div> <div></div> <div>Sonya Milstead</div>	<div>Oak, Willow 1-0 (<i>Quercus phellos</i>) Zone 5-9 ☀</div> <div>Willow oak reaches a mature size of 50 to 80 feet in height and 1 to 2 ½ feet in diameter. Its habitat includes lowlands, river and swamp borders, and rich, sandy uplands. The wood is used for crossties, rough construction and pulpwood. The tree produces good acorn crops, making it a valuable and dependable wildlife food source. Willow oak is long lived and fast growing, and it is widely planted as a landscape tree.</div>	★	★	★		16 - 20 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315






Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Josh McLaughlin, VDOF</p> <p>Pear, Common 'Bartlett' 1-0 (<i>Pyrus communis</i> 'Bartlett')</p> <p>Zone 5-7 ☀️🌙</p> <p>Bartlett Pear is a small fruit tree that can reach heights 12 to 20 feet and width. Bartlett pear grows well in moist but well drained slight acidic soil. Other soils can produce a lighter crop. It produces white flowers in the early spring. The fruit is a large bell shape, yellow in color with the flesh being a juicy and white. The fruit is desired by humans, deer and other wildlife.</p>	★				18 - 24 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$300
 <p>Justin Funk, VDOF</p>  <p>G. A. Cooper, Courtesy of Smithsonian Institution</p> <p>Persimmon 1-0 (<i>Diospyros virginiana</i>)</p> <p>Zone 4-9 ☀️</p> <p>Persimmon reaches a mature size of 20 to 60 feet in height and 1 to 2 feet in diameter. It grows on a wide variety of sites, from sandy woods to moist river bottoms to rocky slopes. The wood is very hard and has been used for spindles, shutters, golf club heads and other items that require shock-resistance. The fruit is eaten by humans, as well as by opossums, raccoons, skunks, foxes and many songbirds.</p>	★	★	★		16 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290



Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
<div> John Campbell, VDOF</div> <div> John Campbell, VDOF</div> <div> Janet Muncy, VDOF</div> <div>Pine, Eastern White 2-0 (<i>Pinus strobus</i>) Zone 3-7 ☀️🌑🌱 Our 2-year-old eastern white pine reaches a mature size of 80 to 100 feet in height and 2 to 3 feet in diameter, but can reach 200 feet in height. The eastern white pine is the largest conifer in eastern North American. The wood is used for construction lumber, cabinet making, furniture and interior finish. White pines are also grown for Christmas trees, and are planted to stabilize the soil on strip-mined lands. Commonly found on dry, sandy or rocky ridges, but grows best on moist, sandy loam soils. This conifer provides thermal cover in winter for many species of animals and birds.</div>	★		★		10 - 16 in.	\$20	\$45	\$52	\$58	\$64	\$70	\$105

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 Janet Muncy, VDOF  G. A. Cooper, Courtesy of Smithsonian Institution	Pine, Loblolly 2nd Generation Orchard Mix 1-0 (Pinus taeda) Zone 6-9 ☀ Loblolly pine reaches a mature size of 90 to 110 feet in height and 2 to 3 feet in diameter. It is used for lumber, paper pulp, plywood, poles, pilings and fuel. Loblolly pine is a common southern shade tree. Pine stands provide habitat for pine warbler, brown-headed nuthatch, deer, gray and fox squirrels, quail, turkey and other wildlife species. Large loblolly pines are a common nesting site for ospreys and bald eagles. Loblolly pine is the most important commercial timber tree in Virginia and the Southeast. Grows best in old fields, sandy soils where the water table is close to the surface, borders of swamps, and other imperfectly drained sites. These seedlings grow 25 percent faster than unimproved seedlings. * Loblolly pine is available in small quantities in the “Five-by-Five Select Pack.”	★	★		8 - 10 in.	—	—	\$30	\$35	\$40	\$45	\$55
	Pine, Loblolly 3rd Cycle Orchard Mix 1-0 (Pinus taeda) Zone 6-9 ☀ Loblolly pine reaches a mature size of 90 to 110 feet in height and 2 to 3 feet in diameter. It is used for lumber, paper pulp, plywood, poles, pilings and fuel. Loblolly pine is a common southern shade tree. Pine stands provide habitat for pine warbler, brown-headed nuthatch, deer, gray and fox squirrels, quail, turkey and other wildlife species. Large loblolly pines are a common nesting site for ospreys and bald eagles. Loblolly pine is the most important commercial timber tree in Virginia and the Southeast. Grows best in old fields, sandy soils where the water table is close to the surface, borders of swamps, and other imperfectly drained sites. From our newest seed orchards, these orchard mix seedlings grow 30 percent faster than unimproved seedlings.	★	★		8 - 10 in.	—	—	\$35	\$40	\$45	\$50	\$65

Species (Scientific Name)		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
 Janet Muncy, VDOF	Pine, Loblolly Premium 1-0 (Pinus taeda) Zone 6-9 ☀️ Our “premium” loblolly pine is a combination of our 3rd and 4th best producers. Growth and yield show a 35 percent increase in production over unimproved seedlings. We are a member of The Cooperative Tree Improvement Program at NC State, which started the breeding effort for loblolly pine in 1956. Through the application of traditional breeding methods used in agronomic and horticulture crops for decades, tree breeders have developed families or varieties of loblolly pine that produce 30 to 50 percent more wood per acre than what was available 40 years ago. These families are more resistant to fusiform rust disease; have better wood quality due to enhancement of straightness and disease resistance, and are widely adapted to a range of site types and forest management regimes.	★		★		8 - 10 in.	—	—	\$40	\$45	\$50	\$55	\$70
	Pine, Loblolly Elite 1-0 (Pinus taeda) Zone 6-9 ☀️ Our “elite” loblolly pine includes the best genetics available for Virginia growing conditions. As the name suggests, it includes families that display superior performance. We took some of our top producers and combined them into one seed lot. The Elite shows a 45 percent gain in growth and yield over unimproved seedlings. The price reflects the limited quantity available for sale. These seedlings are well worth the investment!	★		★		8 - 10 in.	—	—	\$45	\$50	\$55	\$65	\$80
	Pine, Loblolly Control Pollinated (CP) 1-0 (Pinus taeda) Zone 6-9 ☀️ This is the inaugural season for our controlled-mass-pollinated seedlings. This labor-intensive practice involves isolating female flowers prior to maturation to ensure the paternal DNA of the offspring. Essentially, after the controlled pollination has taken place, we will have seed with known parents. The testing on these seedlings has proven to be more accurate in rating growth potential. Even though the pollination is controlled, we still have considerable diversity within this seed lot. Our tree improvement personnel were able to cross several families this year and we will combine these into one seed lot. The outcome will be a 55 percent gain above unimproved seedlings.	★		★		8 - 10 in.	—	—	\$65	\$70	\$75	\$85	\$100




Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
Pine, Loblolly Virginia's Best 1-0 <i>(Pinus taeda)</i> Zone 6-9 ☀️ Given the increased demand for quick returns, we have isolated our top-rated family to sell as a separate seed lot. This family has been extensively tested in Virginia and out-competes all other families within our genetic pool. Growth and yield testing has shown the potential for gains up to 62 percent above unimproved seedlings. For landowners managing timber for income, this offering was created for you!	★		★		8 - 10 in.	—	—	\$65	\$70	\$75	\$85	\$100
 Justin Funk, VDOF Pine, Longleaf 1-0 <i>(Pinus palustris)</i> Zone 7-9 ☀️ CONTAINERIZED SEEDLINGS. Virginia longleaf pine is a medium to large size conifer reaching heights of 80 feet or more to 2 feet in diameter. The needles are the longest of the southern pines extending out to 15 inches on average. Although once found scattered throughout southeastern Virginia, the species has all but disappeared from the landscape. There are only a few small native stands of longleaf pine remaining in Virginia. This species prefers well-drained sandy soils throughout coastal Virginia. The wood is used for dimensional lumber, paper and poles. Longleaf pine is also the preferred habitat of the red cockaded woodpecker that is listed as an endangered species.	★		★		8 - 10 in.	—	—	\$100	\$175	\$315	—	—
 Richard A. Howard Image Collection, Courtesy of Smithsonian Institution  Janet Muncy, VDOF Pine, Scotch 2-0 <i>(Pinus sylvestris rhodopaea)</i> Zone 4-7 ☀️⬆️ Scotch pine is a medium-sized tree reaching up to 90 feet tall. Typically pyramidal when young, becoming more rounded and open with age. Prefers moist, well-drained soils, but will tolerate drier sites. Used as an ornamental landscape tree for homes and public grounds. Orange, peeling bark provides visual accents. Extensively planted for Christmas trees, and provides a nesting site and winter cover for wildlife.	★		★		10 - 14 in.	\$20	\$45	\$50	\$55	\$65	\$85	\$120

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 Justin Funk, VDOF  Justin Funk, VDOF	Pine, Shortleaf 1-0 (<i>Pinus echinata</i>) Zone 6-9 ☀️ ⚠️ Shortleaf pine reaches a mature size of 80 to 100 feet in height and 2 to 3 feet in diameter. It is used largely for interior and exterior finishing, flooring, general construction, veneers, paper pulp and poles. Shortleaf pine produces high-quality lumber. It grows best on deep, well-drained soils, but tolerates nutrient-deficient sites.			★	10 - 14 in.	\$20	\$45	\$65	\$70	\$75	\$95	\$115
 Sonya Milstead  Warren Coburn, VDOF	Pine, Virginia 1-0 (<i>Pinus virginiana</i>) Zone 4-8 ☀️ ⚠️ Virginia pine reaches a mature size of 50 to 80 feet in height and 12 to 14 inches in diameter. The lumber is used for rough construction but warps easily with alternate wetting and drying. The wood has a very long fiber and makes excellent paper pulp. Small songbirds eat the seeds and may roost in thick stands of young pine. Virginia pine's tolerance for poor soil makes it suitable for reclaiming strip-mined lands. Its habitat includes various well-drained soils, and it can tolerate eroded and dry soil.	★	★	★	8 - 14 in.	\$20	\$45	\$50	\$55	\$60	\$65	\$75
 John Seiler, Virginia Tech	Plum, Wild 1-0 (<i>Prunus americana</i>) Zone 5-9 ☀️ 🌑 Wild Plum is a shrub or small tree reaching up to 20 feet tall and 20 feet wide in an irregular crown shape. In full sun it will spread shoots to form dense cover that is important songbird nesting and cover for other wildlife. In early to mid-spring small white blossoms with orange anthers will appear. In late summer bright red 1 to 1½ inch plums will provide excellent food for wildlife. Fruit can be processed as preserves and jellies. Wild Plum requires minimal amounts of water to grow.	★	★		18 - 24 in.	\$20	\$45	\$75	\$115	\$150	—	—

Species (Scientific Name)		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
	Serviceberry, Alleghany 1-0 (<i>Amelanchier laevis</i>) Zone 4-8 ☀️🌙 Alleghany Serviceberry is a small understory tree that can reach heights of 30 to 40 feet. It is multiple stem tree that can be pruned in a small tree. It grows at a rapid rate, which makes it a short lived tree. The blooms are white and appear in mid spring. The purple/black berries are very sweet and juicy. Songbirds are highly attracted to the fruit. In the fall the leaves will turn yellow to red.	★				4 - 8 in.	\$20	\$45	\$75	\$115	\$150	—	—
													

John Seiler, Virginia Tech





John Seiler, Virginia Tech

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Justin Funk, VDOF</p>  <p>Smithsonian Institute, USDA-NRCS PLANTS Database</p>  <p>Janet Muncy, VDOF</p>			★		8 - 14 in.	\$20	\$45	\$50	\$65	\$80	\$100	\$150

Spruce, Norway 2-0 (*Picea abies*)

Zone 3-7 ☀️🌲

Our 2-year-old Norway spruce can grow 80 to 100 feet tall and spread 25 to 40 feet. It is best used as a specimen in a lawn area or as a wind break or screen, planted on 20-foot-centers. Also used for Christmas tree production. Rockefeller Center in New York City erects a Norway spruce each Christmas next to the skating rink and decorates it for the holiday season. Norway spruce tolerates most soils if moist and transplants easily if balled and burlapped or potted. Trees subjected to drought are much happier if they receive periodic irrigation although they tolerate drought well.

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>John Campbell, VDOF</p> <p>Spruce, Norway 3-0 (<i>Picea abies</i>)</p> <p>Zone 3-7 ☀️⬆️</p> <p>Our 3-year-old Norway spruce can grow 80 to 100 feet tall and spread 25 to 40 feet. It is best used as a specimen in a lawn area or as a wind break or screen, planted on 20-foot-centers. Used for Christmas tree production. Rockefeller Center in New York City erects a Norway spruce each Christmas next to the skating rink and decorates it for the holiday season. Norway spruce tolerates most soils if moist and transplants easily if balled and burlapped or potted. Trees subjected to drought are much happier if they receive periodic irrigation although they tolerate drought well.</p>			★		16 - 20 in.	\$20	\$45	\$65	\$90	\$120	\$160	\$200
 <p>Justin Funk, VDOF</p>  <p>Larry Allain, USGS National Wetlands Research Center / USDA-NRCS PLANTS Database</p> <p>Sycamore 1-0 (<i>Platanus occidentalis</i>)</p> <p>Zone 4-9 ☀️</p> <p>Sycamore reaches a mature size of 80 to 100 feet in height and 3 to 4 feet in diameter, but can reach 150 feet in height and 10 feet in diameter. Its habitat includes stream banks and rich bottomlands. The wood is used for chopping blocks, furniture, interior finish, particleboard, fiberboard, paper pulp and biomass for energy production. Songbirds eat the seeds. Sycamore's distinctive bark makes it an attractive tree for large landscapes.</p>	★	★	★	★	16 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
 <p>Herman, D.E., et al. 1996. North Dakota tree handbook. USDA NRCS ND State Soil Conservation Committee; NDSU Extension and Western Area Power Administration, Bismarck.</p> <p>Walnut, Black 1-0 + (<i>Juglans nigra</i>)</p> <p>Zone 4-9 ☀️</p> <p>Black walnut reaches a mature size of 50 to 90 feet in height and 2 to 3 feet in diameter. The heartwood is heavy, hard and strong, with a rich chocolate-brown color of superior quality and value. It is prized for veneer, fine furniture, paneling, cabinetwork and gun stocks. The nut shells are ground into an abrasive cleaning agent for jet engines, filler for dynamite, a filter agent in smokestacks and a flour-like carrying agent for insecticides. Squirrels, birds and people eat the sweet, oily nuts. Its habitat includes deep, well-drained soils, and it grows best on the lower north- or east-facing slopes.</p>	★	★	★	★	12 - 20 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315

★ ATTENTION: Walnut trees are susceptible to Thousand Cankers Disease, which has been found in Virginia. See VDOF website for additional information.

Specialty Packs & Seed Mixes		Contents	Price
	Fall Color Seedling Pack	Contains these species for a total of 25 Seedlings: 5 Maple, Sugar 1-0 10 Oak, Pin 1-0 10 Poplar, Yellow 1-0	\$50.00/25-pack
	Five-By-Five Select Pack <i>(Each species is in 5-packs.)</i>	Select five (5) species for a total of 25 Seedlings: Oak, N. Red 1-0 Oak, Sawtooth 1-0 Oak, White 1-0 Pine, Loblolly 2nd Gen. 1-0 Pine, Scotch 2-0 Pine, Shortleaf 1-0 Pine, Virginia 1-0 Pine, Eastern White 2-0 Spruce, Norway 2-0	\$50.00/25-pack
	Wildlife Seedling Packs	Contains these species for a total of 100 Seedlings: 5 Plum, Wild 1-0 10 Chestnut, Chinese 1-0 25 Apple, Common 1-0 25 Lespedeza, Bicolor 1-0 25 Oak, Sawtooth 1-0 10 Persimmon 1-0	\$125.00/100-pack
	Wildflower Garden Seed Bag	Suitable for a 10 ft. by 10 ft. area. Contains 27 different kinds of wildflowers	\$20.00/bag
	Wildlife Garden Seed Bag	Suitable for a 10 ft. by 10 ft. area. Contains these species: 25% grain sorghum 25% buckwheat 23% Korean lespedeza 22% German millet 5% rape plus sunflower	\$20.00/bag
	Rye Straw	Available for pick up at the Augusta Forestry Center only	\$4.50/bale

Form 30C
11/14/2013

VIRGINIA DEPARTMENT OF FORESTRY

TREE SEEDLING CATALOG ORDER

NAME:

PRINT CLEARLY - THIS IS YOUR SHIPPING LABEL

ADDRESS:

STREET ADDRESS OR RURAL ROUTE AND BOX NUMBER (P.O. BOX IS NOT ACCEPTABLE)

CITY

☐ BUSINESS ADDRESS

STATE

ZIP

☐ RESIDENTIAL ADDRESS

TELEPHONE:

[HOME](#)

WORK

E-MAIL ADDRESS:

REQUESTED SHIPPING DATE:

(We ship on Mondays, Tuesdays, and Wednesdays from January through mid-April.)

QUANTITY NEEDED	DESCRIPTION (Kind of Trees, Seeds or Package)	PRICE PER UNIT	TOTAL COST
Subtotal			
Sales Tax (5.3% of Order Subtotal) [Tax exempt orders must submit a completed sales tax exemption (i.e. ST-18; blank sales tax exemption forms can be found at tax.virginia.gov).]			
Shipping (30% of Order Subtotal; \$15 minimum)			
Total Amount Due (Payment must be enclosed at the time of order.)			

- ◆ Make check payable to "State Forester". ◆ No refunds after May 1st.
◆ A \$20.00 service charge will be applied to all refunds except those caused by the nurseries' inability to deliver ordered seedlings.
◆ If seedlings do not arrive in good condition, (i.e. dry, damaged or diseased), claims must be made by telephone or in writing within 7 days of receipt. All unsatisfactory or rejected goods must be held for our advice or disposition. It is agreed between the purchaser and the Department of Forestry that our liability will not exceed the original purchase price of the product. The Department of Forestry assumes no responsibility or liability for the planting of any tree seedlings and in the sale thereof, makes no warranties, expressed or implied, of merchantability or fitness for a particular purpose and makes no warranties regarding the survival or rate of growth of any seedlings.

- ☐ I have enclosed a check made payable to "State Forester".
- ☐ I hereby authorize the Virginia Department of Forestry to charge my credit card.

☐ VISA ☐ MASTERCARD

Signature:

Cardholder Address (if different from delivery address):

Credit Card No.:

Expiration Date:

Note: Credit card orders will be charged on the date of order.

RETURN ORDER TO:

AUGUSTA FORESTRY CENTER
P.O. Box 160, Crimora, VA 24431

Phone: (540)363-7000

Fax (540)363-5055

- A \$20 service charge will be applied to all refunds except those caused by the nurseries' inability to deliver ordered seedlings.
- Full refund will be made, without penalty, in the event the Department is unable to make delivery for any reason.
- If seedlings do not arrive in good condition, (i.e. dry, damaged or diseased), claims must be made by telephone or in writing within 7 days of receipt. All unsatisfactory or rejected goods must be held for our advice or disposition.
- It is agreed between the purchaser and the Department of Forestry that our liability will not exceed the original purchase price of the product excluding shipping costs.
- The Department of Forestry assumes no responsibility or liability for the planting of any tree seedlings and in the sale thereof, makes no warranties, expressed or implied, of merchantability or fitness for a particular purpose and makes no warranties regarding the survival or rate of growth of any seedlings.
- No refunds after May 1st.
- Prices subject to change without notice.

Title 10, Subtitle 2, Chapter 11, Section 10.1-1114 of the *Code of Virginia*. As a direct means of re-establishing forests on lands in Virginia, the Department of Forestry, hereafter referred to as the Department, grows tree seedlings for sale at cost to private and public landowners for foresting lands in Virginia.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.



For more information on how the Virginia Department of Forestry can help you, call your local VDOF office or visit the agency website at dof.virginia.gov.



VDOF P00102; 11/14/2013